

Title (en)

Color video processing system and method, and corresponding computer program

Title (de)

Farbvideoverarbeitungssystem und -verfahren sowie zugehöriges Computerprogramm

Title (fr)

Système de traitement vidéo couleur et procédé et programme informatique correspondant

Publication

EP 2849425 A1 20150318 (EN)

Application

EP 13306258 A 20130916

Priority

EP 13306258 A 20130916

Abstract (en)

The color video processing method (200) comprises: - marking out (202) an object from a background in each frame of a sequence of frames of a color video, - selecting (214) at least two successive frames, - determining (216) a global color template from the backgrounds of the selected frames, - for each selected frame and for each color of the marked out object, determining (218) an harmonized color according to the global color template, in such a way that the harmonized color is closer to the global color template than the original color.

IPC 8 full level

H04N 1/60 (2006.01); **G06V 10/56** (2022.01); **H04N 9/64** (2006.01)

CPC (source: CN EP US)

G06T 7/90 (2017.01 - EP US); **G06V 10/56** (2022.01 - EP US); **H04N 1/6075** (2013.01 - CN EP US); **H04N 9/643** (2013.01 - EP US); **H04N 9/646** (2013.01 - US); **H04N 9/73** (2013.01 - CN EP US)

Citation (applicant)

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- J. VAN DE WEIJER ET AL.: "Learning Color Names for Real-World Applications", IEEE TRANSACTIONS IN IMAGE PROCESSING, 2009

Citation (search report)

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- [A] DANIEL COHEN-OR ET AL: "Color harmonization", ACM SIGGRAPH 2006 COURSES ON , SIGGRAPH '06, 1 January 2006 (2006-01-01), New York, New York, USA, pages 624, XP055075986, ISBN: 978-1-59-593364-5, DOI: 10.1145/1179352.1141933

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CN105488819A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2849425 A1 20150318; CN 104463838 A 20150325; EP 2849426 A1 20150318; JP 2015057698 A 20150326; JP 6408314 B2 20181017; KR 20150032176 A 20150325; US 2015077639 A1 20150319

DOCDB simple family (application)

EP 13306258 A 20130916; CN 201410471752 A 20140916; EP 14183196 A 20140902; JP 2014185377 A 20140911; KR 20140120118 A 20140911; US 201414484700 A 20140912